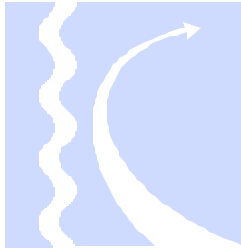


## **STATEMENT OF QUALIFICATIONS**

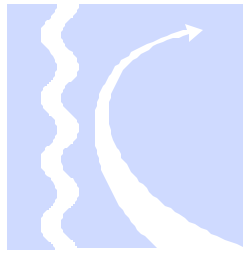


## CONTENTS

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SUMMARY OF SERVICES . . . . . SECTION 2

REPRESENTATIVE PROJECT SUMMARIES . . . . . SECTION 3



## **WELCOME TO KEY ENGINEERING GROUP**

KEY ENGINEERING GROUP, LTD. (KEY) IS A FULL-SERVICE ENGINEERING AND SCIENCE CONSULTING FIRM SPECIALIZING IN ENVIRONMENTAL SCIENCE/ENGINEERING; CIVIL, GEOTECHNICAL AND RAILROAD ENGINEERING AND CONSTRUCTION ENGINEERING/MANAGEMENT.

KEY WAS ESTABLISHED IN FEBRUARY 1992. KEY CURRENTLY HAS OFFICES IN MILWAUKEE (CORPORATE OFFICE), GREEN BAY, WISCONSIN AND WASHINGTON, D.C.



### **Corporate Office Location**

735 North Water Street, suite 1000  
Milwaukee, Wisconsin 53202

414/224-8300

800/645-7365

Fax: 414/224-8383

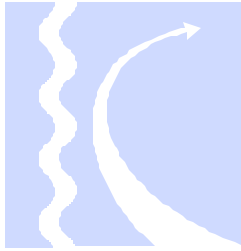
[www.keyengineering.com](http://www.keyengineering.com)

[mail@keyengineering.com](mailto:mail@keyengineering.com)

KEY IS COMMITTED TO, AND HAS BEEN SUCCESSFUL IN, PROVIDING COST-EFFECTIVE AND PRACTICAL APPROACHES TO A BROAD RANGE OF SCIENCE AND ENGINEERING PROJECTS WHILE MEETING OUR CLIENT'S INDIVIDUAL NEEDS AND REGULATORY REQUIREMENTS.

KEY HAS BEEN RECOGNIZED FOR THIS COMMITMENT BY BEING NAMED TO THE METROPOLITAN MILWAUKEE ASSOCIATION OF COMMERCE'S COUNCIL OF SMALL BUSINESS EXECUTIVE'S FUTURE 50 LIST. IN ADDITION, IN 1997, KEY EARNED THE PRESTIGIOUS "INC. 500" AWARD AS ONE OF THE FASTEST GROWING PRIVATE COMPANIES IN AMERICA. KEY'S REPEAT CLIENTELE AND REFERRALS ALSO SIGNIFY KEY'S COMMITMENT.





## KEY STAFF

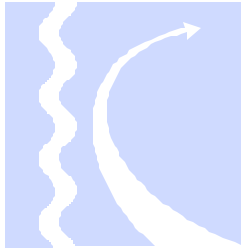
KEY HAS FORMED AN EXPERIENCED QUALIFIED TEAM OF PROFESSIONALS TO PROVIDE AN EXCEPTIONAL PRODUCT TO OUR CLIENTS WITH THE GOAL OF PROVIDING VALUE ENGINEERING.

KEY WILL CUSTOMIZE A PROJECT TEAM SPECIFICALLY FOR OUR CLIENT AND OUR PROJECT MANAGER WILL MAINTAIN REGULAR COMMUNICATIONS WITH OUR CLIENT TO ENSURE PROJECT REQUIREMENTS ARE SATISFIED. IN ADDITION, EVERY KEY PROJECT IS SUPERVISED UNDER THE DIRECTION OF OUR PRINCIPALS AND SENIOR ENGINEERS/SCIENTISTS.

- C PROFESSIONAL ENGINEERS (P.E.)
- C PROFESSIONAL GEOLOGISTS (P.G.)
- C REGISTERED LAND SURVEYORS (R.L.S.)
- C CERTIFIED HAZARDOUS MATERIALS  
MANAGERS(CHMM)
- C ISO 14001 LEAD AUDITORS
- C ENVIRONMENTAL/CIVIL/GEOTECHNICAL ENGINEERS
- C GEOLOGISTS/HYDROGEOLOGISTS
- C ENVIRONMENTAL SCIENTISTS/ BIOLOGISTS
- C CERTIFIED SITE ASSESSORS
- C ASBESTOS INSPECTORS/SUPERVISORS

## KEY CLIENTS

- C Industrial
  - C Commercial
  - C Residential
  - C Agricultural
  - C Governmental /Municipal
  - C Financial
  - C Legal
  - C Construction
  - C Petroleum
  - C Developers/Real tors
  - C Educational
  - C Transportation
-



## OUR VISION STATEMENT

KEY'S VISION STATEMENT REPRESENTS THE GOAL OF EACH OF OUR EMPLOYEES. AS A GROUP WE WILL STRIVE TO ONE DAY REACH THE GREAT POTENTIAL OF OUR DREAM.

**WE THE MOTIVATED LEADERS OF KEY GROUP ASPIRE TO BECOME INTREPRENEURS.**  
**WE WILL PROVIDE PROBLEM SOLVING SERVICES, SO INDISPENSABLE TO OUR CLIENTS BUSINESS THAT THEY WOULDN'T RISK THEIR SUCCESS WITHOUT OUR PARTNERSHIP.**

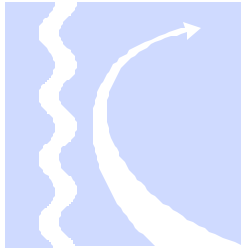
## OUR MISSION STATEMENT

KEY'S MISSION STATEMENT REPRESENTS A DAILY COMMITMENT OF CONDUCT FOR EACH OF OUR EMPLOYEES. THE MISSION STATEMENT WAS CREATED BY OUR EMPLOYEES AND REPRESENTS THE INTERNAL DESIRE OF KEY AS A GROUP TO SATISFY YOU, OUR CUSTOMER.

**WE THE PROFESSIONALS OF KEY GROUP ENTHUSIASTICALLY RESPOND TO OUR CLIENTS' BUSINESS CHALLENGES.**  
**IN ORDER TO NURTURE LONG TERM PARTNERSHIPS WITH OUR CLIENTS, WE EMBRACE PRINCIPLE-CENTERED LEADERSHIP WHICH ENCOURAGES ENTREPRENEURSHIP, TEAMWORK, RECOGNITION AN FUN!**

KEY BELIEVES THAT A HAPPY TEAM MEMBER IS A PRODUCTIVE TEAM MEMBER, AND A PRODUCTIVE TEAM MEMBER WILL ALWAYS HAVE THE BEST INTERESTS OF THEIR CLIENT AT HEART.

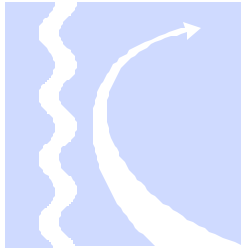
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## ENVIRONMENTAL SITE ASSESSMENT

- ' PHASE I AND II ENVIRONMENTAL SITE ASSESSMENT
  - C ASTM OR USER-DEFINED PROTOCOL
  - C COORDINATE WITH GEOTECHNICAL/WETLAND STUDIES
  - C AGGRESSIVE SCHEDULES
- ' TRANSACTION SCREEN
- ' ASBESTOS/LEAD
  - INSPECTION AND RISK ASSESSMENT
- ' BASELINE PROPERTY CONDITIONS ASSESSMENT
- ' TRANSACTION ASSISTANCE





## ENVIRONMENTAL IMPACT ANALYSIS

### ' NATIONAL ENVIRONMENTAL POLICY ACT (NEPA)

- C ENVIRONMENTAL ASSESSMENT
- C ENVIRONMENTAL IMPACT STATEMENT
- C NHPA SECTION 106 ANALYSIS

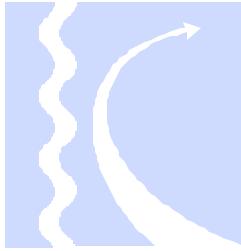


### ' WETLAND STUDIES

- C WETLAND DELINEATION
- C WETLAND MITIGATION ANALYSIS
- C CLEAN  
PERMITTING

WATER ACT





## **ENVIRONMENTAL CONTAMINATION INVESTIGATION/ANALYSIS**

### **SITE INVESTIGATION**

- C SOURCE IDENTIFICATION/"FINGERPRINTING"
- C SOIL, SEDIMENT, GROUNDWATER, SURFACE WATER
- C PETROLEUM, INDUSTRIAL SOLVENTS, HEAVY METALS, PCBs, AGRICULTURAL CHEMICALS
- C HYDROGEOLOGIC, GEOPHYSICAL, BIODEGRADATION STUDIES



### **CONTAMINANT FATE AND TRANSPORT ANALYSIS**

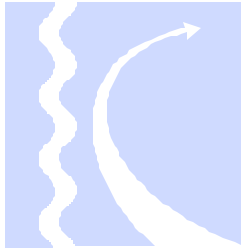
### **RISK ASSESSMENT**

- C CONCEPTUAL MODEL DEVELOPMENT
- C QUALITATIVE AND QUANTITATIVE ANALYSIS

### **FEASIBILITY STUDY**

- C REMEDIAL ACTION OPTIONS EVALUATION
  - C COST ESTIMATING
-





## ENVIRONMENTAL CONTAMINATION REMEDIAL ACTION

### REMEDIAL ACTION

- C EX-SITU/IN-SITU SOIL/GROUNDWATER REMEDIAL ACTION
- C INNOVATIVE (PHYTOREMEDIATION)
- C SOLID AND HAZARDOUS WASTE SITES
- C REMEDIAL ACTION BY NATURAL ATTENUATION (RNA)
- C ENGINEERING CONTROLS
- C INSTITUTIONAL/ADMINISTRATIVE CONTROLS
- C OPERATION AND MAINTENANCE

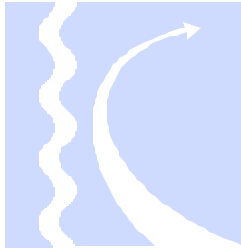


### BROWNFIELDS REDEVELOPMENT



### RCRA/CERCLA/TSCA ACTIONS

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# **ENVIRONMENTAL ENGINEERING /MANAGEMENT**

## **ENVIRONMENTAL ENGINEERING**

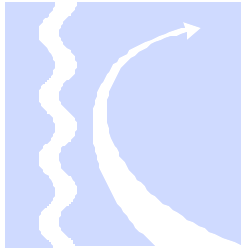
- C AIR POLLUTION CONTROL
- C WATER, WASTEWATER AND STORMWATER



## **ENVIRONMENTAL MANAGEMENT**

- C POLLUTION PREVENTION
- C WASTE MINIMIZATION
- C ENVIRONMENTAL MANAGEMENT SYSTEMS
- C ISO 14001 LEAD AUDITORS





## **ENVIRONMENTAL COMPLIANCE**

### **COMPLIANCE**

- C COMPLIANCE AUDITS
- C AIR PERMITTING
- C AIR EMISSIONS INVENTORY REPORTING
- C HAZARDOUS WASTE REPORTING
- C SARA TITLE III REPORTING
- C TOXIC RELEASE INVENTORY REPORTING
- C STORMWATER PERMITS/MANAGEMENT PLANS
- C NPDES PERMITS

### **ENVIRONMENTAL SAFETY**

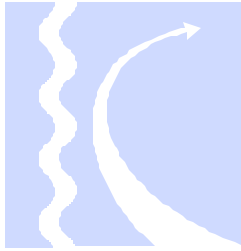
- C SPILL PREVENTION, CONTROL AND COUNTERMEASURES PLANS
- C PROCESS SAFETY MANAGEMENT PLANS
- C RISK MANAGEMENT PLANS

### **HAZARDOUS WASTE MANAGEMENT**



### **UNDERGROUND AND ABOVEGROUND STORAGE TANK MANAGEMENT**

- C SITE ASSESSMENT
- C CLOSURE DOCUMENTATION AND REPORTING



## **GRANT/REIMBURSEMENT PROGRAMS**

### **' AGGRESSIVE AND EXPERIENCED**

### **' BROWNFIELDS**

- ⌄ LOCAL, STATE AND FEDERAL PROGRAMS
- ⌄ ASSISTED OBTAINING ONE OF THE FIRST WISCONSIN DEPARTMENT OF COMMERCE BROWNFIELDS PROGRAM GRANTS

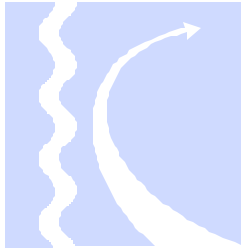
### **' WASTE REDUCTION AND RECYCLING DEMONSTRATION GRANT PROGRAM**

- ⌄ WISCONSIN WASTE REDUCTION AND RECYCLING DEMONSTRATION PROGRAM GRANT FOR THE STUDY OF PHYTOREMEDIATION

### **' PETROLEUM ENVIRONMENTAL CLEANUP FUND ACT PROGRAM**

- ⌄ GREATER THAN 99% REIMBURSEMENT OF PETROLEUM ENVIRONMENTAL CLEANUP FUND ACT (PECFA) CLAIMS FOR OUR CLIENTS

### **' DRY CLEANER ENVIRONMENTAL RESPONSE FUND PROGRAM**



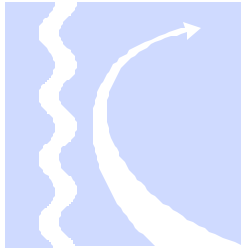
# GEOTECHNICAL ENGINEERING

## GEOTECHNICAL EXPLORATION



## GEOTECHNICAL ENGINEERING

- C FOUNDATIONS
- C PAVEMENTS
- C SLOPE STABILITY
- C SETTLEMENT
- C EARTHEN STRUCTURE DESIGN
- C GEOSYNTHETIC DESIGN
- C LANDFILL LINER/COVER SYSTEM DESIGN
- C FORENSIC EVALUATIONS



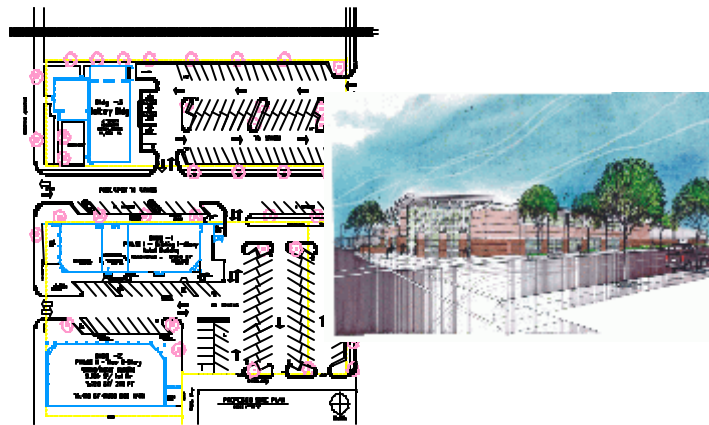
## CIVIL/CONSTRUCTION SERVICES

### CIVIL ENGINEERING

#### CIVIL/DEVELOPMENT ENGINEERING

*GRADING/PAVEMENT PLANS*

*UTILITY PLANS*



#### HYDROLOGICAL ANALYSIS

*STORMWATER RETENTION/DETENTION ANALYSIS*

*FLOODPLAIN ANALYSIS*

*DAM FAILURE/STABILITY ANALYSIS*

#### STORMWATER/WASTEWATER TREATMENT WETLANDS

### CONSTRUCTION SERVICES

#### BID DOCUMENTS/SPECIFICATIONS

#### AS-BUILT DOCUMENTATION

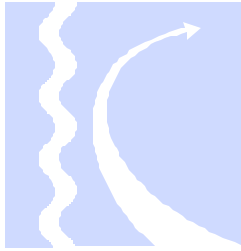
#### CONSTRUCTION MANAGEMENT

#### FILL CONTROL AND COMPACTION TESTING

#### FOUNDATION SUBGRADE EVALUATION

#### PAVEMENT PLACEMENT MONITORING

#### CONSTRUCTION MONITORING



## KEY RAILROAD DEVELOPMENT

### ' SITING AND FEASIBILITY STUDIES

- C SITE EVALUATION
- C CONCEPTUAL LAYOUTS
- C BUDGET ESTIMATES

### ' FUNDING ASSISTANCE

- C GRANT IDENTIFICATION ASSISTANCE
- C REGULATORY LIAISON
- C APPLICATION DEVELOPMENT/ASSISTANCE

### ' PERMITTING

- C REGULATORY PERMIT ASSISTANCE
- C MAINLINE RAILROAD APPROVALS ASSISTANCE
- C RAILROAD CROSSING PETITIONING
- C RAILROAD COMPLIANCE

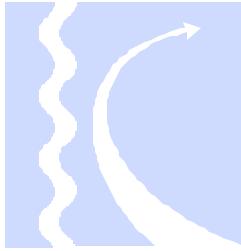
### ' DESIGN

- C ALTA AND CERTIFIED SURVEY MAPS
- C CIVIL SITE DESIGN
- C HYDROLOGICAL ANALYSIS
- C INDUSTRIAL PARK LAYOUTS
- C INDUSTRY TRACKAGE
- C RAIL YARD LAYOUTS
- C BRIDGE AND DRAINAGE STRUCTURES
- C LOADING AND UNLOADING FACILITIES
- C RAILROAD CROSSING DESIGN
- C BID DOCUMENTS/SPECIFICATIONS
- C CONSTRUCTION COST ESTIMATES

### ' FIELD ENGINEERING SERVICES

- C CONSTRUCTION SURVEYS/LAYOUT
- C CONSTRUCTION QUALITY ASSURANCE
- C CONSTRUCTION MONITORING/DOCUMENTATION





## PROJECT MANAGEMENT

### QUALITY ENGINEERING

*QUALIFIED AND EXPERIENCED PROJECT TEAM CUSTOMIZED SPECIFICALLY TO CLIENT'S NEEDS AND PROJECT GOALS*

### SUPERIOR COMMUNICATION

*APPROPRIATE AND REGULAR REPORTING FROM THE PROJECT TEAM TO THE CLIENT*

*CLEAR CHANNELS OF COMMUNICATION BETWEEN THE PROJECT TEAM, THE CLIENT AND ITS REPRESENTATIVES*

### SCHEDULE MAINTENANCE

*TIMELY COMPLETION OF WORK ACCORDING TO AN ESTABLISHED PROJECT SCHEDULE*



### COST EFFECTIVENESS

*COSTS WITHIN THE ESTABLISHED BUDGET*